AT-AR215, ANNEX B ADSL USB External Modem

Full Rate (G.DMT) and G.Lite

KEY FEATURES

Convenient and affordable

Simple installation: USB Plug & Play

No need to open the PC

Supports Annex B - ADSL over EURO-ISDN

No external power supply (USB powered)

High speed access to the Internet or corporate LAN, up to 140 times faster than analogue modems

Support for multimedia applications such as video conferencing, interactive gaming and video-on-demand

Ideal for Small Office/Home Office applications

Firmware upgradable

HIGH SPEED ADSL USB MODEM WITH UP TO 8MBPS CONNECTION

The Allied Telesyn AT-AR215 ADSL USB external modem supports downstream datarates up to 8Mbps and upstream datarates of up to 1Mbps, over standard telephone lines. ADSL technology finally lets those high-bandwidth applications such as interactive gaming, streaming video and real-time audio perform as they always should have. Bulky e-mail attachments and large file transfers are no longer an issue – it's a whole new way of working.

ANNEX B SUPPORT

The AT-AR215 USB modem supports Annex B networks as used in Germany (U-R2,T-DSL), Spain and a number of other European countries. Annex B supports the operation of ADSL over Euro-ISDN services, it is a popular solution in territories where there is a high installed base of ISDN circuits.

SIMPLE AND COMPACT

The AT-AR215 is the ideal compact, space saving solution to provide Plug & Play high speed Internet access for the home user and teleworker. It's easy to install and use. No external power supply is needed because the device draws its power from the PC's USB port.

Simply plug it in to the PC USB port, connect up the ADSL line, load the Plug & Play drivers and that's it! No opening the PC to install PC cards and no need for Ethernet hubs or NIC cards. It's an ideal worry-free solution. The AT-AR215 can be installed with similar ease for both desktop and laptop PC's.

SECURE ACCESS FOR TELEWORKERS

Teleworkers can get secure access to the corporate intranet by using a VPN (Virtual Private Network) across the ADSL link, allowing fast, safe access to shared files and e-mail. The AT-AR215 is a versatile solution for today's changing networks.

ADSL - THE SERVICE OF CHOICE

The AT-AR215 uses an existing ISDN line to deliver high-speed access to the Internet, while maintaining standard ISDN operation (i.e. voice and data). ADSL (Asymmetric Digital Subscriber Line) technology is rapidly becoming the service of choice for high-bandwidth access to the home and office, allowing lightning-fast transmission of data, voice and image.

MULTI-DSLAM OPERATION

The AT-AR215 is interoperable with a wide range of major DSLAMs (e.g Siemens, ECI, TI) and provides drivers to support all major PC operating systems.

ABOUT ALLIED TELESYN

Allied Telesyn's mission is to become a leading global supplier of IP based network products, systems and services that enable our customers to build superior solutions for high-bandwidth data, voice and video in the LAN, WAN and MAN.

These customers include global systems integrators, carriers and service providers, major resellers and logistical distributors serving the needs of education, local and state Government, the military, corporate enterprise, medium and large businesses and the small and home office community.

Our technology ranges from the simplest Ethernet adapters, hubs and media converters through to the very latest in high performance IP switches and routers, wireless and IP telephony solutions, customer premises equipment for access networks and security appliances. Comprehensive service and support programs that are designed to meet the growing demands of today's switched broadband infrastructures back all Allied Telesyn products.

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PRODUCT SPECIFICATIONS

ADSL/ATM SUPPORT
Full Rate External ADSL USB Modem
ITU-T G.992.1 (G.DMT)
G.992.2 (G.lite)
Using Discrete Multi-Tone (DMT) line encoding scheme
Full Rate transmission at up to 8Mbps downstream and 1Mbps upstream
Unspecified Bit Rate (UBR) ATM Layer with Traffic shaping
AAL ATM Attributes - AAL5
VCI to 64K, VPI to 256, software programmable
F4/F5 OAM Send and Receive/Loopback supported
Trellis Coding and Echo Cancellation support
ITU-T K.21 population option

ENCAPSULATION SUPPORT
RFC2364 PPP over ATM
RFC1483 Bridged Ethernet over ATM
RFC1483 Routed IP over ATM
RFC2516 PPP over Ethernet
ATM AAL5

CHIPSET
ADI AD6480 52-pin TQFP/LQFP Analogue IC
ADI AD6484 176-pin TQFP/LQFP DSP Digital IC
Digital Timing Recovery (eliminates need for VCXO)
Support DSP IDMA boot (no external FLASH memory or SRAM required)
EEPROM interface to set USB configuration

ADSL MODEM DRIVER SUPPORT
Windows 98 Second Edition
Windows 2000
Windows Millennium
Windows XP
Software upgradable via driver for future feature enhancement

POWER REQUIREMENTS
3.3V, 5V tolerant I/O
2.5V core power supply
1.8W total power dissipation
Bus Powered - No external power is required
Hot Swappable Plug & Play and USB Specification 1.1 compliant

EXTERNAL CONNECTORS
1 x RJ11 Telephone socket for ADSL line
1 x USB port

DIMENSIONS
Dimension : 120mm (L) x 84mm (W) x 24mm (H)
Weight : 150g

ENVIRONMENTAL SPECIFICATIONS
Operating
10°C to 45°C
50°F to 113°F

Non-Operating
10°C to 45°C
50°F to 113°F

HUMIDITY
Operating : 30% to 80% Relative Humidity (Non-Condensing)
Non-Operating : 10% to 95% Relative Humidity (Non-Condensing)

REGULATORY APPROVAL
Europe : CE (EN55022:98/EN55024: 98), IEC950

SYSTEM REQUIREMENTS
CPU : Pentium II 233 MHz or above with USB port
Memory : 32MB
System OS : Windows 98SE, Windows 2000, Windows ME and Windows XP
Interface : USB Port

ORDERING INFORMATION

AT-AR215
ADSL USB Modem

Product Range: Allied Telesyn's long-term focus on price/performance networking has made it a market-leading provider of LAN, WAN and MAN network systems. Advanced Layer 3 switch and router technology perfectly complements its traditional Layer 2 switch, hub, adapter card and media conversion capabilities.
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Allied Telesyn
Simply connecting the IP world